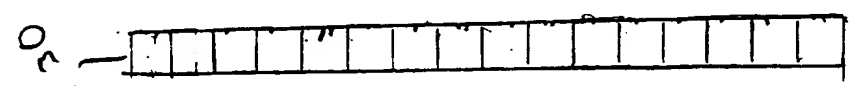


Figure 1A



10

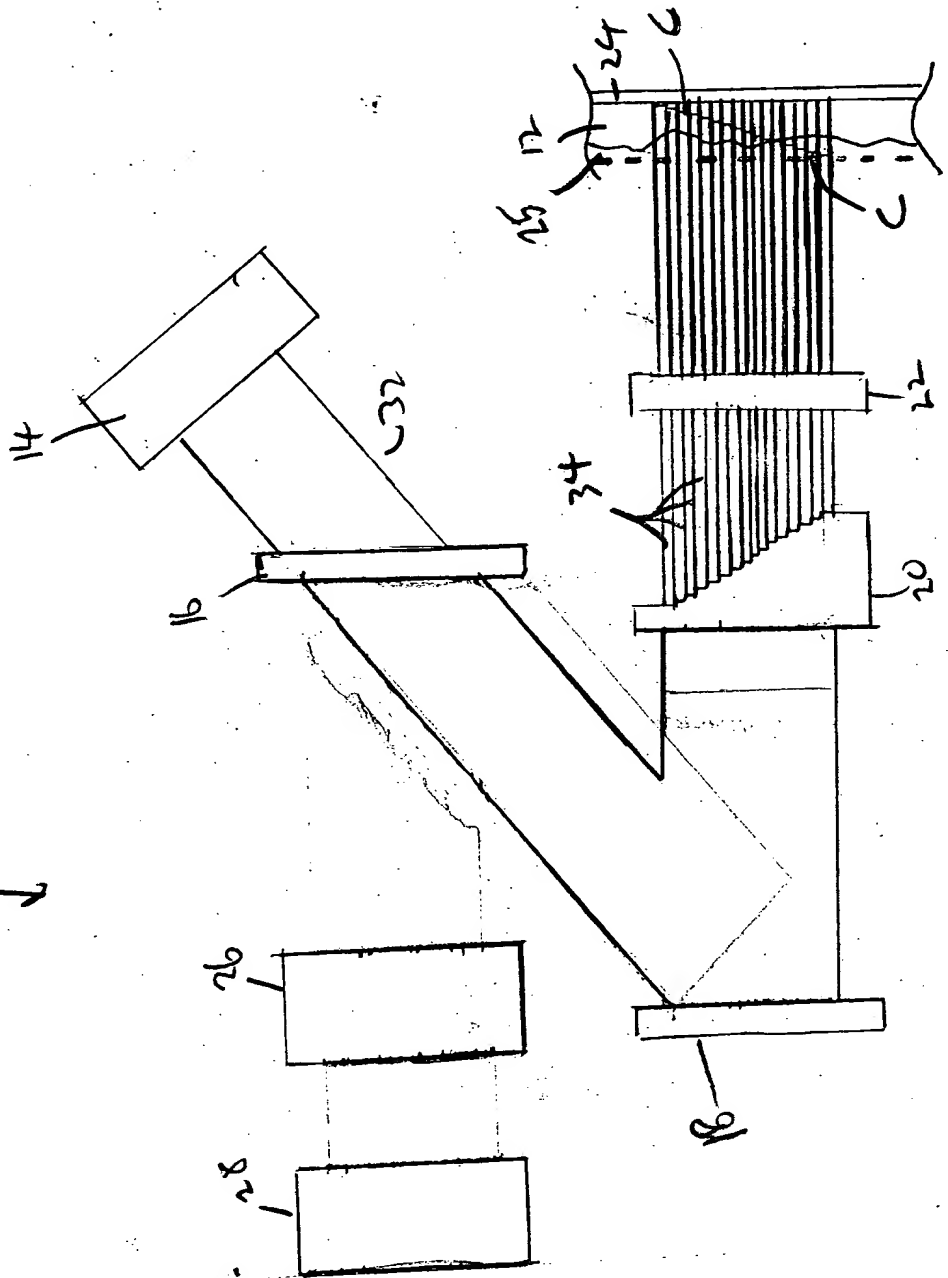


Figure 1B

FIG. 10 is a schematic diagram of a system for measuring the refractive index of a material. The system includes a light source 10, a collimating lens 12, a sample 14, a detector 16, and a control unit 18. The light source 10 emits a beam of light 20 which is collimated by the lens 12. The collimated beam 22 passes through the sample 14 and is detected by the detector 16. The control unit 18 is connected to the detector 16 and the light source 10. The control unit 18 controls the light source 10 and the detector 16. The control unit 18 is also connected to a computer 24 which stores data and controls the system. The computer 24 is connected to a network 26 which allows the system to be accessed by other computers. The network 26 is connected to the Internet 28 which allows the system to be accessed by other users. The system is used to measure the refractive index of a material. The refractive index is a measure of how much light bends when it passes through a material. The refractive index of a material is determined by the material's density and the wavelength of the light. The system measures the refractive index of a material by measuring the time it takes for light to pass through the material. The time of flight of the light is measured by the detector 16. The control unit 18 calculates the refractive index of the material based on the time of flight of the light. The refractive index of a material is a fundamental property of the material and is used in many applications. The system is a useful tool for measuring the refractive index of a material.

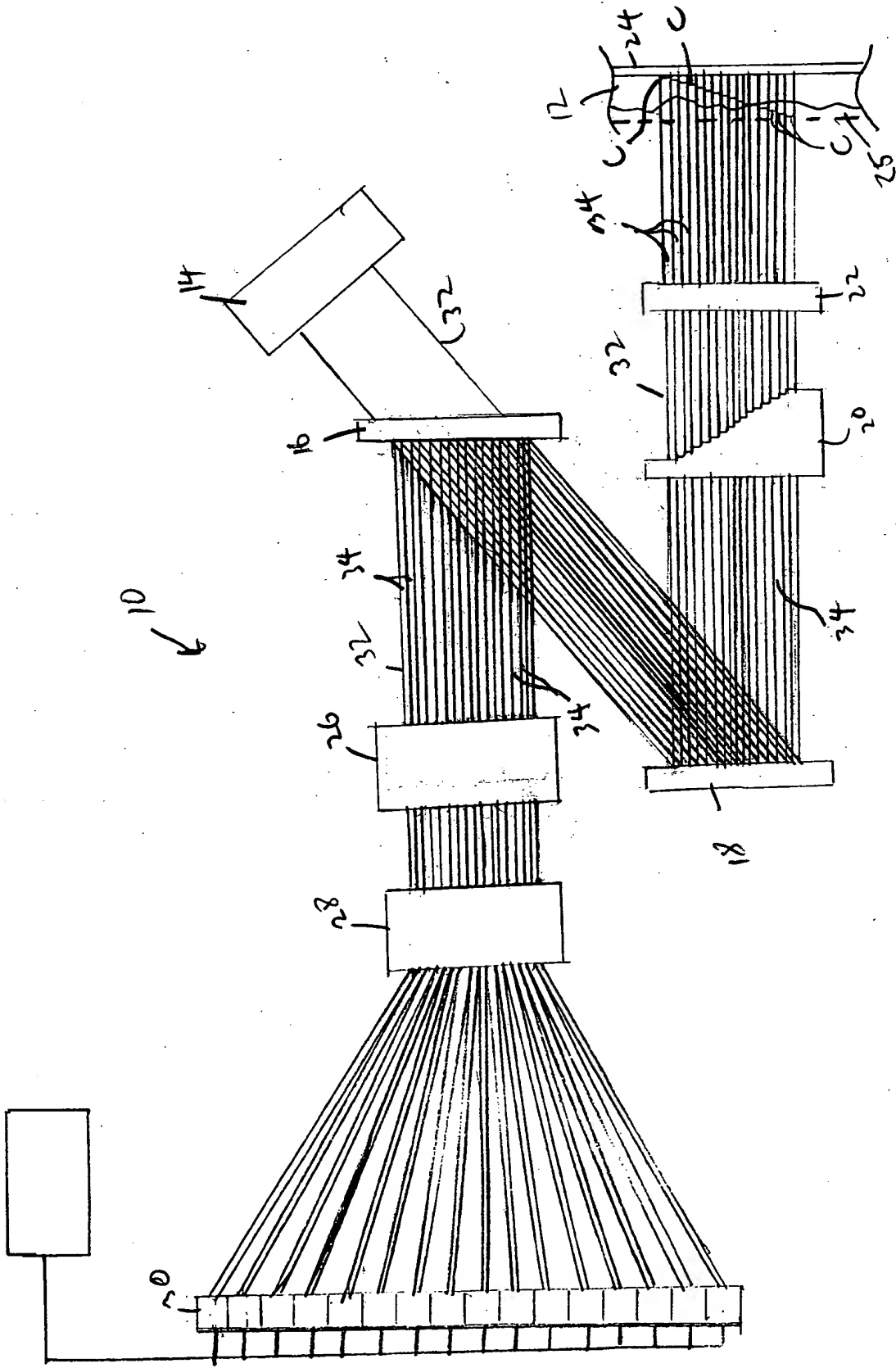


Figure 10

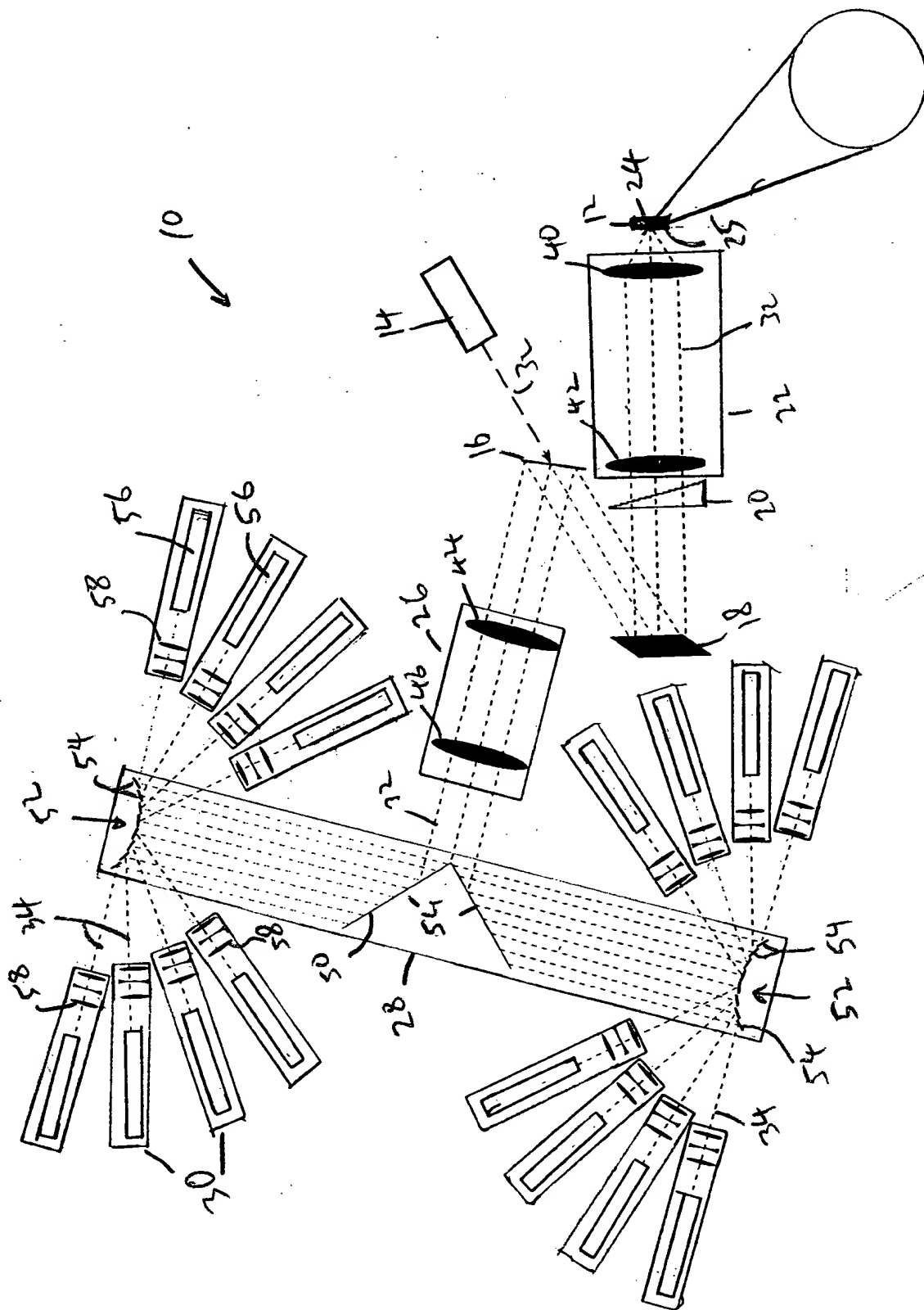


Figure 2

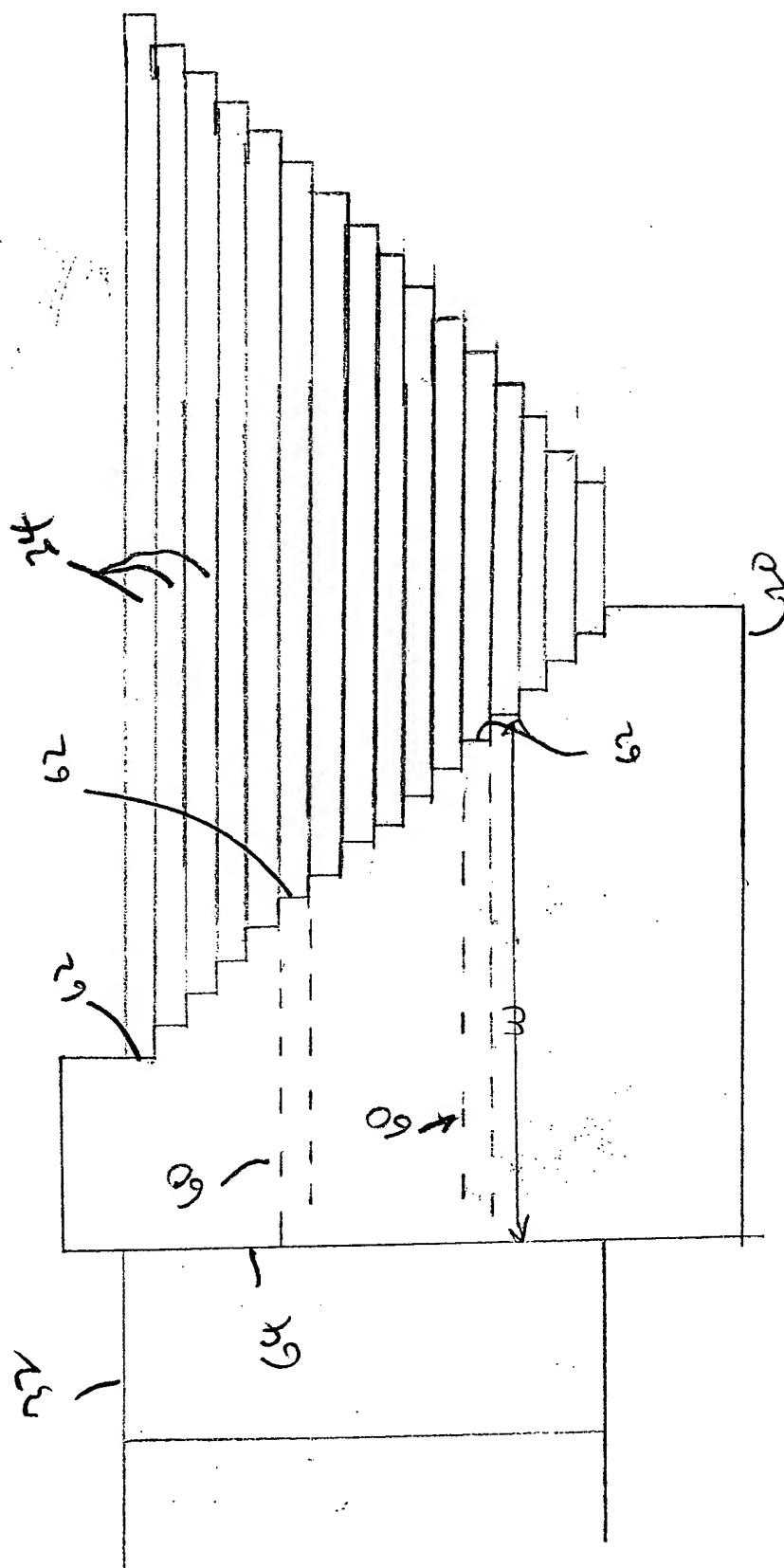


Figure 3A

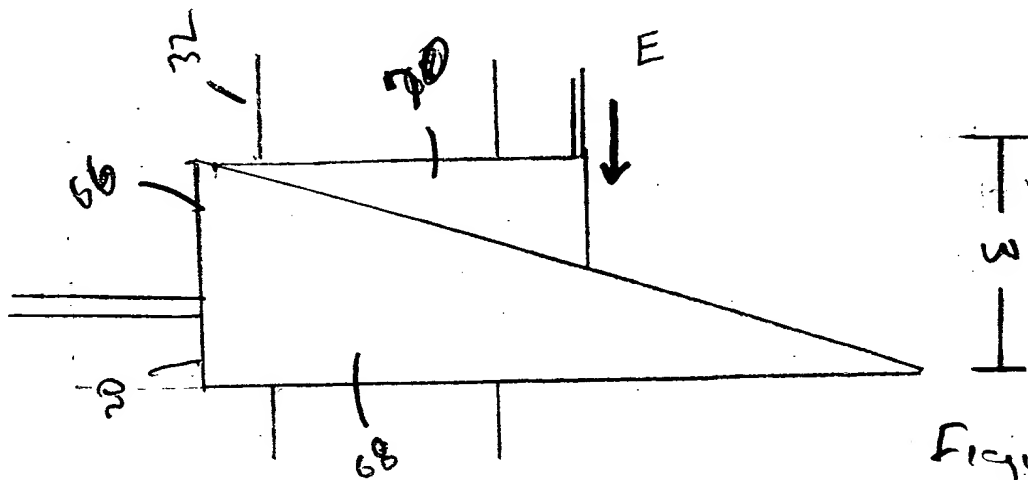


Figure 3D

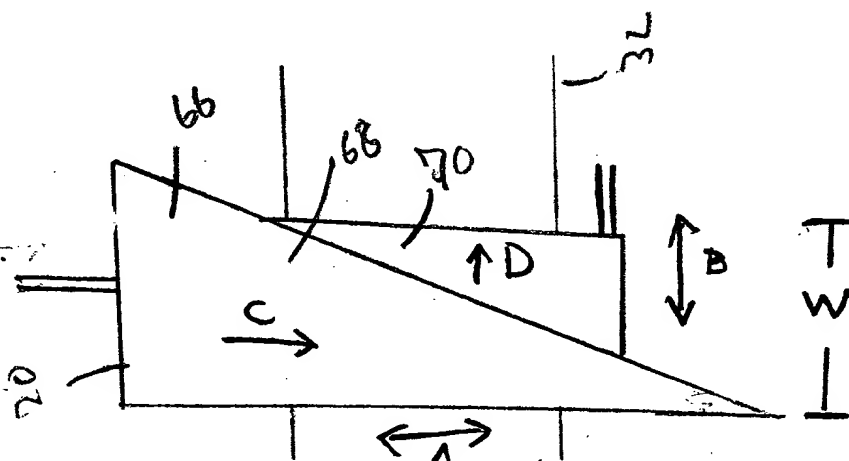


Figure 3C

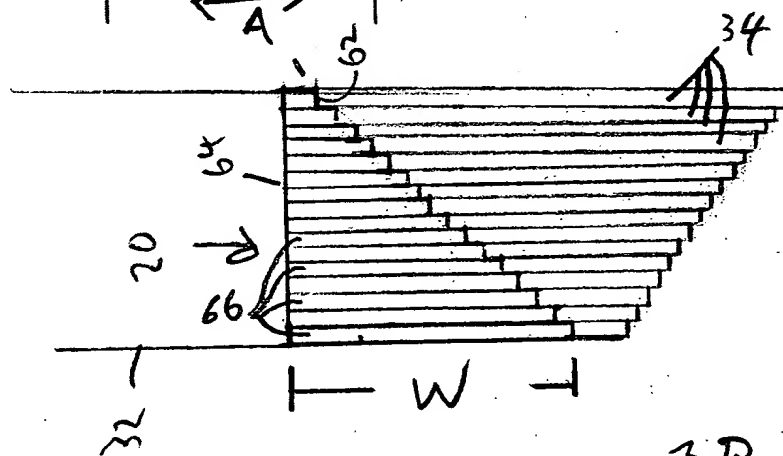
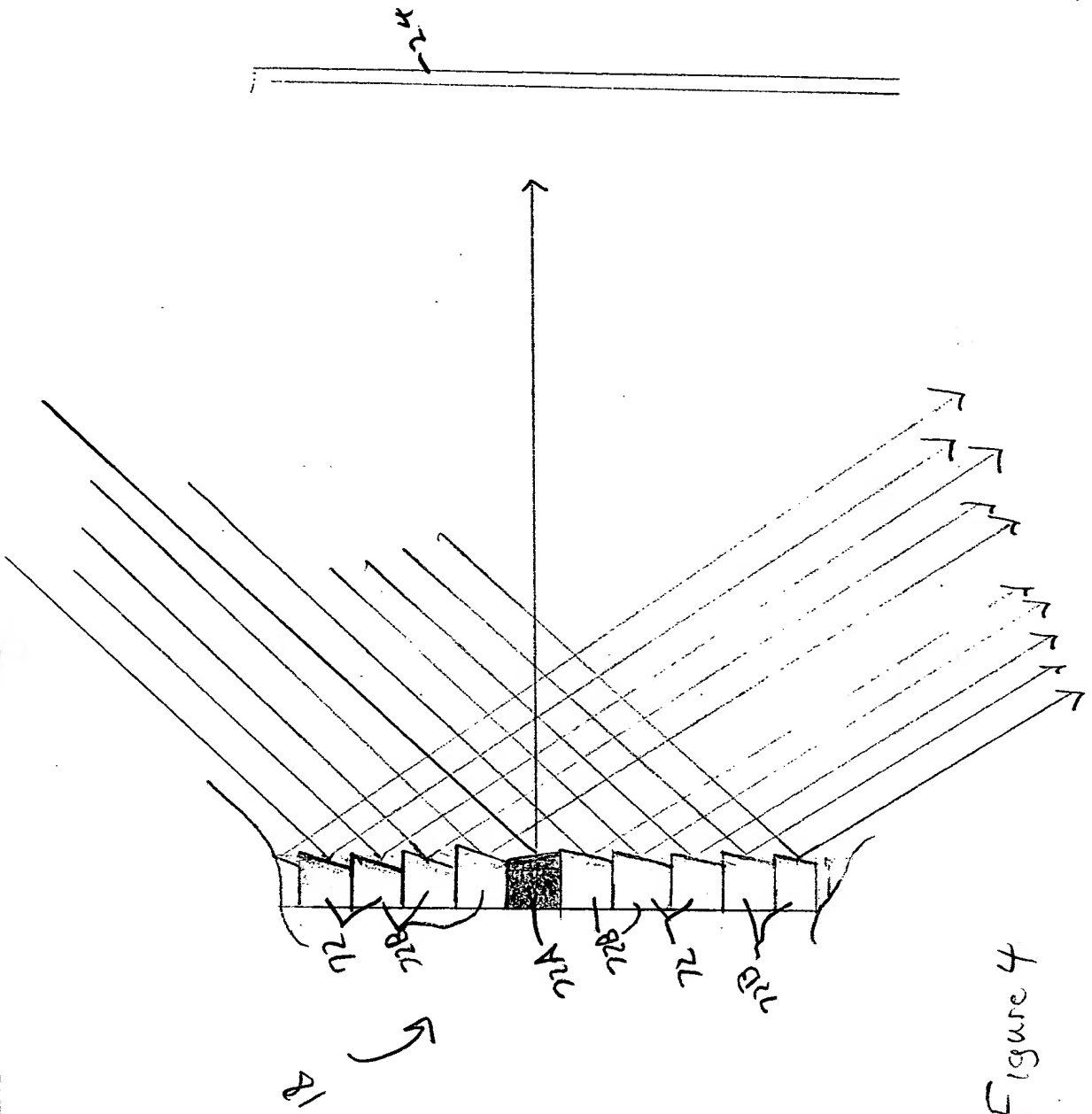


Figure 3B



50710 252350

768

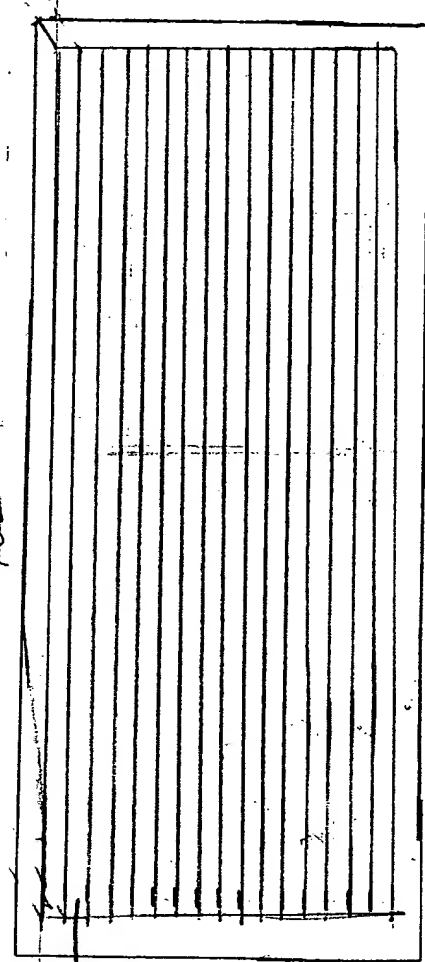


Figure 5B 118

64

24

1024

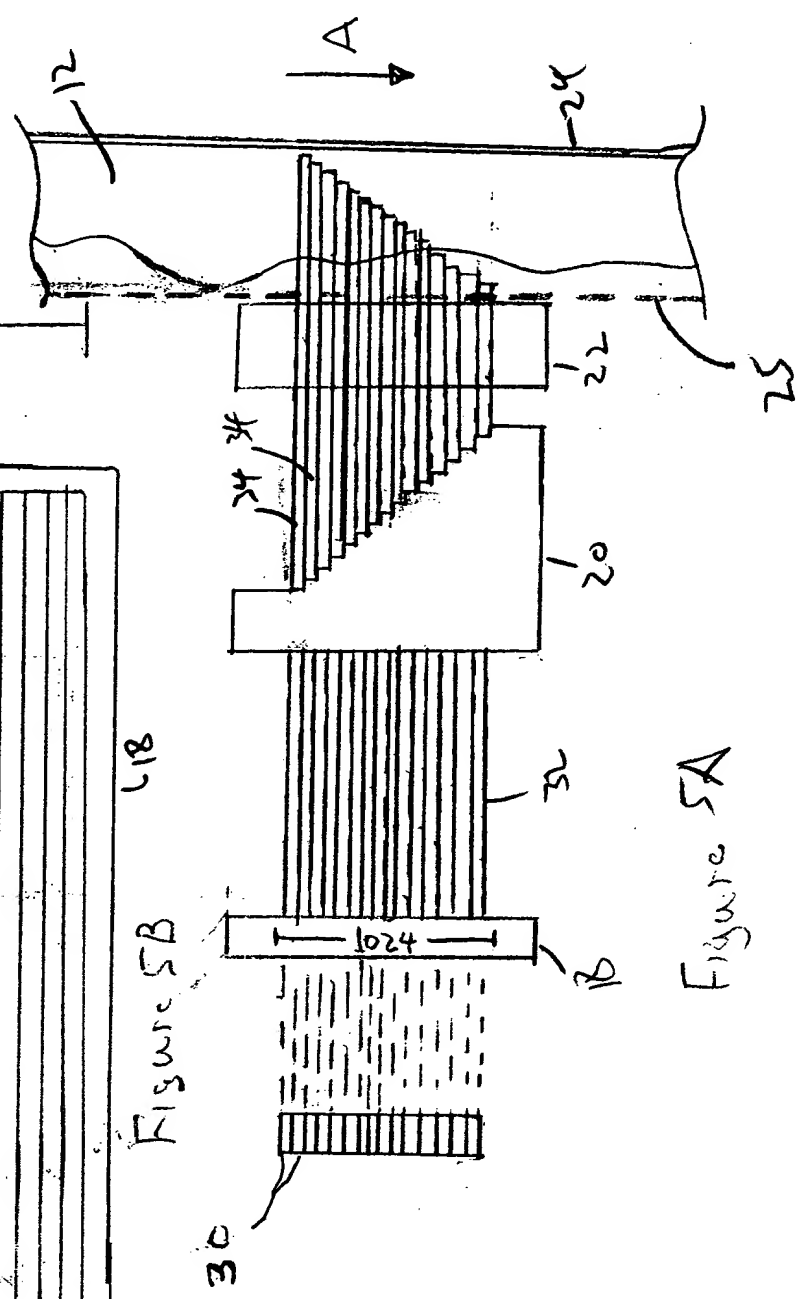


Figure 5A

30

1024

32

20

22

25

A

12

24



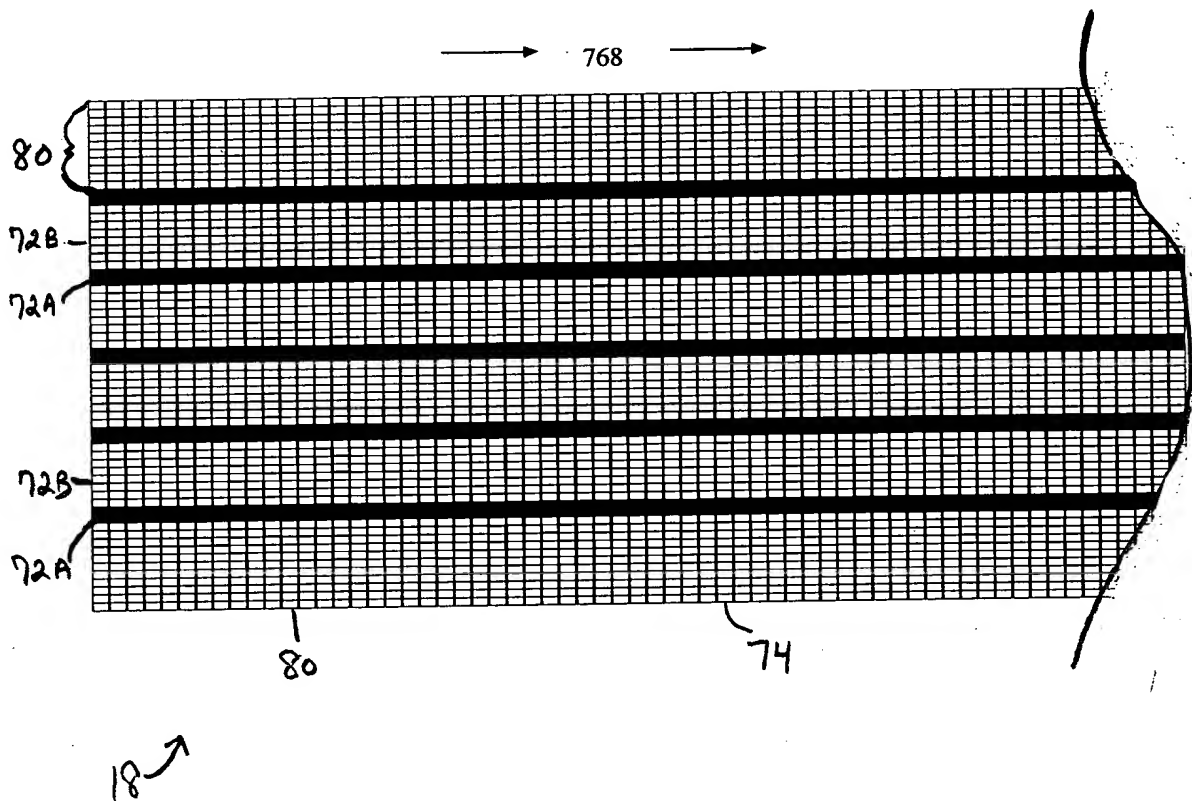


FIGURE 6A

FIG. 5B

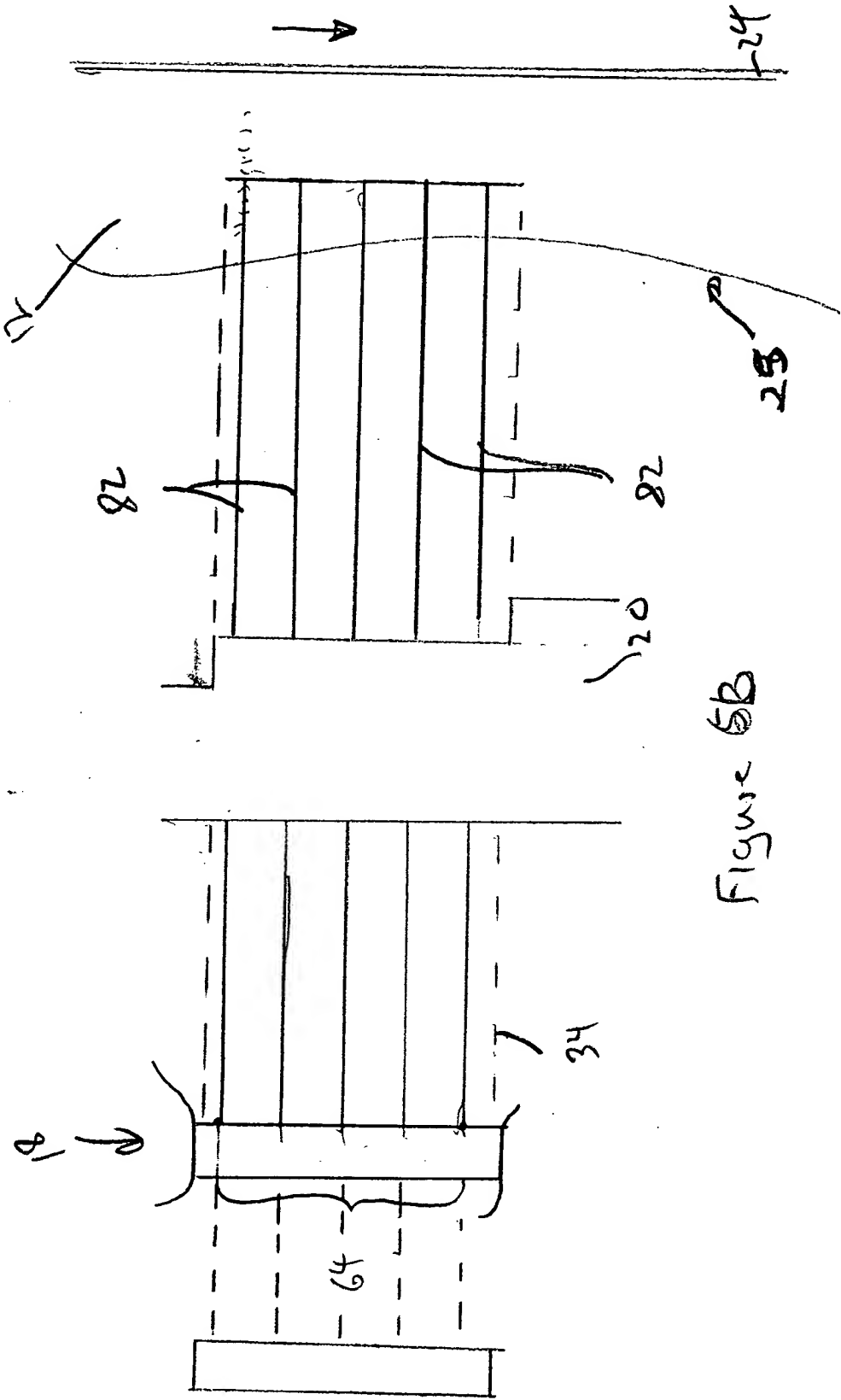


Figure 5B

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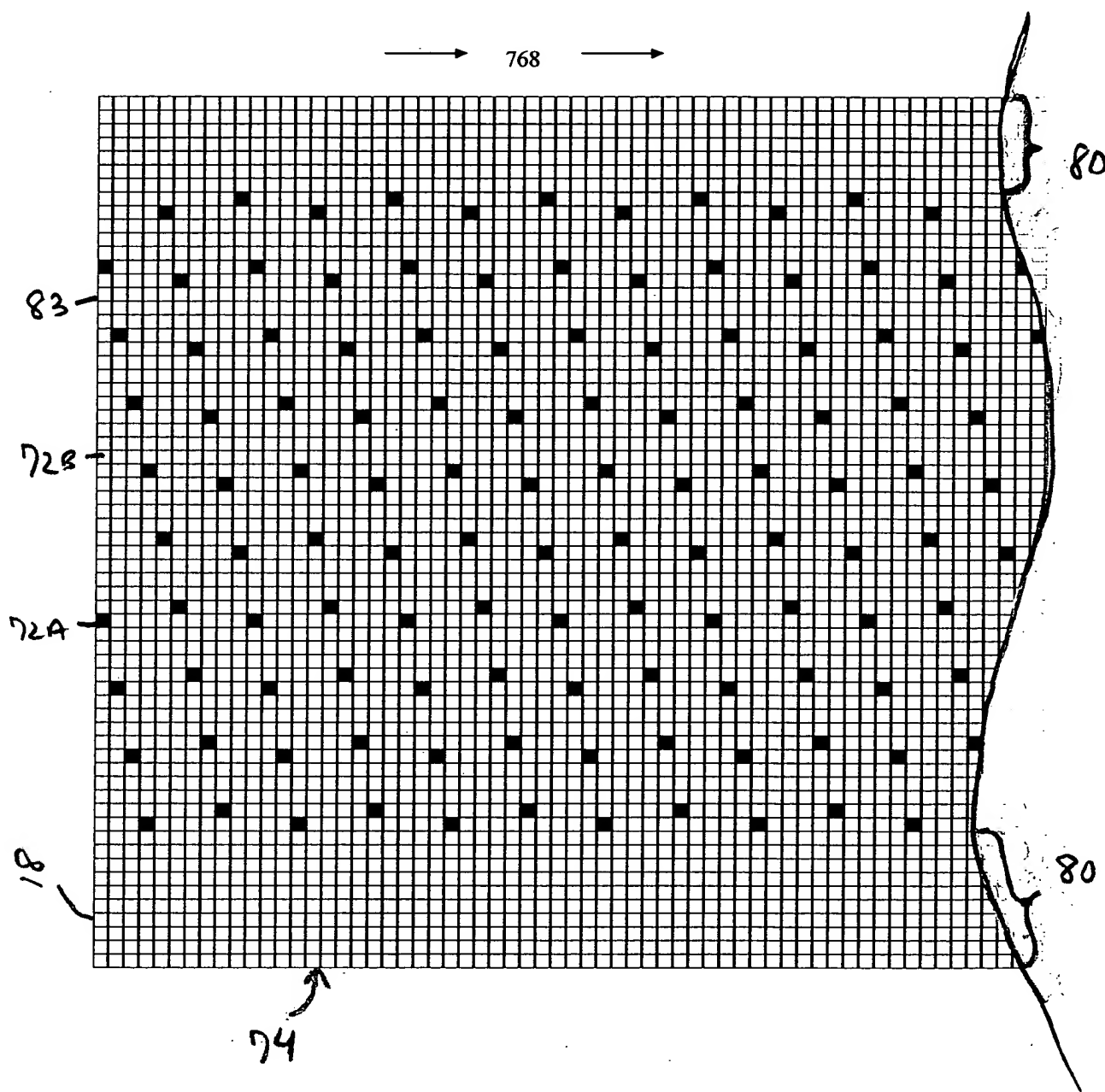


FIGURE 6C

Figure 7